SPECIAL BULLETIN

OFFICE OF TRAINING

No. 10-77   30 August 1977

To: All Training Officers of the Agency

STATISTICAL CONCEPTS FOR

ANALYSTS AND MANAGERS

DESCRIPTION

The Office of Training, Information Science Center, announces the offering of a new course "Statistical Concepts for Analysts and Managers" (SCAM). The course, emphasizing statistics and probability in the analysis of intelligence, has been designed and tested during the past six months. Special arrangements can be made for group attendance.

Topics covered include classification of data, descriptive statistics, combinatorial analysis, probability, event density functions, confidence interval estimation, hypothesis testing, goodness-of-fit tests, Bayesian Analysis, the value of information, probability diagram construction, and use of decision trees. Each student solves a number of intelligence problems by both manual and automated methods in the above areas during both class work and homework. The content of the course is oriented to those with an elementary mathematics background.

OBJECTIVES

Upon conclusion of the course, each participant will be able to:

1.   Recognize intelligence problems which may be solved by probability techniques;

2.   Structure the information to facilitate the solution of these problems; and

3.   Perform the computations to these problems.

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PREREQUISITES

High school level mathematics ability; availability to do one hour of homework each evening.

LENGTH

Two weeks, part-time.

DATES and TIME

0800-1200, Monday, Wednesday, and Friday; 0800-1600, Tuesday and Thursday.

    12 September 1977 - 23 September 1977
     5 October 1977 - 19 October 1977
     7 November 1977 - 18 November 1977
    28 November 1977 - 9 December 1977
     9 January 1978 - 20 January 1978

GRADE RANGE

Analysts and managers at all levels whose responsibilities may require a knowledge of statistical concepts.

CLASS SIZE

15 minimum; 30 maximum.

LOCATION

Chamber of Commerce Building, 4600 N. Fairfax Drive, Arlington, Virginia. Detailed instructions on directions to the building, room number, and parking will be given to the students prior to the start of the course.

REGISTRATION

Form 73, Request for Internal Training, must be submitted to OTR/FTD/ISC, [   ] Chamber of Commerce Building, three weeks prior to the start of the course. For the 12 September running, Forms 73 should be submitted by 6 September. These requests will be submitted through the component Training Officer and Central Cover Staff, as personnel of other Intelligence Community agencies will attend. For information on registration and course content, [   ]

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